

Figure 1A

1	CCCACGCGTCCGATTAAAGTCAGGAGAGAGCTACAACCAAGTAAGCAAGTGTGTCAGGGCTC	60
61	ACCAACCATGCAAGGACAGGGCAGGAGAAGAGGAACCTGCAAAGACATATTTTGTTC	120
1	<u>M Q G O G R R R G T C K D I F C S K</u>	18
121	AATGGCATCTTACCTTTATGGAGTACTCTTTGCTGTTGGCCTCTGTGCTCCAATCTACTG	180
19	<u>M A S Y L Y G V L F A V G L C A P I Y C</u>	38
181	TGTGTCCCCGGCCAATGCCCCCAGTGCATACCCCCGCCCTTCCTCCACAAAGAGCACCCC	240
39	V S P A N A P S A Y P R P S S T K S T P	58
241	TGCCTCACAGGTGTATTCCCTCAACACCGACTTTGCCTTCCGCCTATACCGCAGGCTGGT	300
59	A S Q V Y S L N T D F A F R L Y R R L V	78
301	TTTGGAGACCCCGAGTCAGAACATCTTCTTCTCCCCTGTGAGTGTCTCCACTTCCCTGGC	360
79	L E T P S Q N I F F S P V S V S T S L A	98
361	CATGCTCTCCCTTGGGGCCCACTCAGTCACCAAGACCCAGATTCTCCAGGGCCTGGGCTT	420
99	M L S L G A H S V T K T Q I L Q G L G F	118
421	CAACCTCACACACACACCAGAGTCTGCCATCCACCAGGGCTTCCAGCACCTGGTTCACTC	480
119	N L T H T P E S A I H Q G F Q H L V H S	138
481	ACTGACTGTTCCCAGCAAAGACCTGACCTTGAAGATGGGAAGTGGCCTCTTCGTCAAGAA	540
139	L T V P S K D L T L K M G S A L F V K K	158
541	GGAGCTGCAGCTGCAGGCAAATTTCTTGGGCAATGTCAAGAGGCTGTATGAAGCAGAAGT	600
159	E L Q L Q A N F L G N V K R L Y E A E V	178
601	CTTTTCTACAGATTTCTCCAACCCCTCCATTGCCCAGGCGAGGATCAACAGCCATGTGAA	660
179	F S T D F S N P S I A Q A R I N S H V K	198
661	AAAGAAGACCCAAGGGAAGGTTGTAGACATAATCCAAGGCCTTGACCTTCTGACGGCCAT	720
199	K K T Q G K V V D I I Q G L D L L T A M	218
721	GGTCTGGTGAATCACATTTTCTTTAAAGCCAAGTGGGAGAAGCCCTTTCACCTTGAATA	780
219	V L V N H I F F K A K W E K P F H L E Y	238
781	TACAAGAAAGAACTTCCCATTCTGGTGGGCGAGCAGGTCACTGTGCAAGTCCCCATGAT	840
239	T R K N F P F L V G E Q V T V Q V P M M	258
841	GCACCAGAAAGAGCAGTTCGCTTTTGGGGTGGATACAGAGCTGAACTGCTTTGTGCTGCA	900
259	H Q K E Q F A F G V D T E L N C F V L Q	278

Figure 1B

901 GATGGATTACAAGGGAGATGCCGTGGCCTTCTTTGTCCTCCCTAGCAAGGGCAAGATGAG 960
 279 M D Y K G D A V A F F V L P S K G K M R 298

 961 GCAACTGGAACAGGCCTTGTTCAGCCAGAACACTGATAAAGTGGAGCCACTCACTCCAGAA 1020
 299 Q L E Q A L S A R T L I K W S H S L Q K 318

 1021 AAGGTGGATAGAGGTGTTTCATCCCCAGATTTTCCATTTCTGCCTCCTACAATCTGGAAAC 1080
 319 R W I E V F I P R F S I S A S Y N L E T 338

 1081 CATCCTCCCGAAGATGGGCATCCAAAATGCCTTTGACAAAAATGCTGATTTTTCTGGAAT 1140
 339 I L P K M G I Q N A F D K N A D F S G I 358

 1141 TGCAAAGAGAGACTCCCTGCAGGTTTCTAAAGCAACCCACAAGGCTGTGCTGGATGTCAG 1200
 359 A K R D S L Q V S K A T H K A V L D V S 378

 1201 TGAAGAGGGCACTGAGGCCACAGCAGCTACCACCACCAAGTTCATAGTCCGATCGAAGGA 1260
 379 E E G T E A T A A T T T K F I V **R S** K D 398

 1261 TGGTCCCTCTTACTTCACCTGTCTCCTTCAATAGGACCTTCCTGATGATGATTACAAATAA 1320
 399 G P S Y F T **V S E N R T D E I M I** T N K 418

 1321 AGCCACAGACGGTATTCTCTTTCTAGGGAAAGTGGAAAAATCCCACTAAATCCTAGGTGGG 1380
 419 A T D G I L F L G K V E N P T K S * 436

 1381 AAATGGCCTGTAACTGATGGCACATTGCTAATGCACAAGAAATAACAAACCACATCCCT 1440

 1441 CTTTCTGTCTGAGGGTGCATTTGACCCCAGTGAGCTGGATTTCGCTGGCAGGGATGCCA 1500

 1501 CTTCCAAGGCTCAATCACCAAAACCATCAACAGGGACCCCAGTCACAAGCCAACACCCATT 1560

 1561 AACCCCAGTCAGTGCCCTTTTCCACAAATTCTCCCAGGTAACTAGCTTCATGGGATGTTG 1620

 1621 CTGGGTTACCATATTTCCATTCTTGGGGCTCCCAGGAATGGAAATACGCCAACCAGGT 1680

 1681 TAGGCACCTCTATTGCAGAATTACAATAACACATTCAATAAAACTAAAATATGAAAAAAA 1740

 1741 AAAAAAAAAAAAAAAAAAAAAAAAAA 1766

Figure 2

		1		50
AL132708_FL	(1)	MQQGRRRGTCCKDIFCSKMASYLYGV	FAVGLCAPIYCVSPANAPSAYPR	
AACT_HUMAN	(1)	-----	MERMLPFLALGLLAAGFCPAVLCHPNSPLD	
KAIN_HUMAN	(1)	-----	MHLIDYLLLLVGLLALSHGQLHVEHDGESCS	
THBG_HUMAN	(1)	-----	MSPFLYLVLVLGLHATHIHASPEGKVTACHS	
		51		100
AL132708_FL	(51)	PS-----	STKSTPASQVYSLNTDFAERLYRRLVLET	PSQNIFFSPVSV
AACT_HUMAN	(31)	EENLTQENQDRGTHVDLGLASANVDFAESLYKQLVLKAPDKNVIFSPLSI		
KAIN_HUMAN	(33)	NSSHQQILETGEQSPSLKIAPANADFAERFYLIASETPGKNIFFSPLSI		
THBG_HUMAN	(33)	-----	SQPNATLYKMSSINADFAENLYRRFTVET	PDKNIFFSPVSI
		101		150
AL132708_FL	(94)	STSLAMLSLGAHSVTKTQILQGLGFNLTHTPESAIHQGFQHLVHSLTVPS		
AACT_HUMAN	(81)	STALAFSLSLGAHNTTLTETILKGLKFNLTETSEAEIHQSFOHLLRTLNQSS		
KAIN_HUMAN	(83)	SAAYAMLSLGACSHSRQILEGLGFNLTELSESDVHRGFOHLLHTLNLPG		
THBG_HUMAN	(74)	SAALVMLSFGACCSTQTEIVETLGFNLTDTPMVEIQHGFQHLICSLNFPK		
		151		200
AL132708_FL	(144)	KDITLKMGSALFVKKELQLQANFLGNVKRLYEAEFSTDFSNPSIAQART		
AACT_HUMAN	(131)	DELQLSMGNAMFVKEQLSLLDRETEDAKRLYGSEAFATDFQDSAAAKKLI		
KAIN_HUMAN	(133)	HGLETRVGSALFLSHNLKFLAKFLNDTMAVVEAKLPHINFYDTVGTIQLI		
THBG_HUMAN	(124)	KELELQIGNALFIGNKHLKPLAKFLNDVKTLVETEVESTDFSNISAAKQET		
		201		250
AL132708_FL	(194)	NSHVKKKTQGGVVDIIQGLDLLTAMVLVNHFFKAKWEKPFHLEYTRKNF		
AACT_HUMAN	(181)	NDYVKNGTIRGKITDLIKDLSQTMVLVNYLFFKAKWEMPFDPQDIHQSR		
KAIN_HUMAN	(183)	NDHVKKETRGKIVDLVSELKKDVLVNLVNYLYFKALWEKPFISRRITPKD		
THBG_HUMAN	(174)	NSHVEMQTKGKVVGLIQDLKPNTIMVLVNYLHFKAQWNPEDPSKTEDSS		
		251		300
AL132708_FL	(244)	PFLVGEQVTVQVPMHMQEQFAFGVDTELNCFVLQMDYKGDVAVAFVLP		
AACT_HUMAN	(231)	FYLSKKKWVMVPMMSLHHLTIPYFRDEESCTVVELKYTGNASALFILPD		
KAIN_HUMAN	(233)	FYVDENTTVRVPMMLQDQEHHWYLDHYLPCSVLRMDYKGDATVFFILPN		
THBG_HUMAN	(224)	SFLIDKTTTVQVPMHMQEQYYHLVDMELNCTVLQMDYSKNALALFVLPK		
		301		350
AL132708_FL	(294)	KGKMRQLEQALSARTLIKWSHSTQKR----	WIEVFIPRFSISASYNLETI	
AACT_HUMAN	(281)	QDKMEEVEAMLLPETIKRWRDSIEFR---	EIGELYLPKFSISRDNINDI	
KAIN_HUMAN	(283)	QGKMREIEEVLTPEMIMRWNNLLRKRNFYKKLEHLPLKFSISGSYVLDQI		
THBG_HUMAN	(274)	EGMESVEAAMSSKTLKKWNRLQKG----	WVDLFVPKFSISATYDLGAT	
		351		400
AL132708_FL	(340)	LPKMGIQNAFDKNADFSGIAKRDSLQVSKATHKAVLDVSEEGTEATAATT		
AACT_HUMAN	(328)	LLQLGIEEAFTSKADLSGITGARNLAVSQVVHKAVLDVFEETEAASAATA		
KAIN_HUMAN	(333)	LPRLGFTDLFSKWADLSGITKQKLEASKSFHKATLDVDEAGTEAAAATT		
THBG_HUMAN	(320)	LLKMGIQHAYSENADFSGLTEDNGLKLSNAAHKAVLHIGKEGTEAAVPE		
		401	↓↓↓↓↓↓↓↓↓↓↓	446
AL132708_FL	(390)	TKFIVRSKDGPSYFTVSFNRTEFLMNTNKATDGILFLGKVENPTKS		
AACT_HUMAN	(378)	VKITLLSALVETRITVRFRNPELMTIVPTDTQNIFFMSKVTNPQQA		
KAIN_HUMAN	(383)	FAIKFFSAQTN-RHILRFNRPELVVTFSTSTQSVLELGKVVDPKTP		
THBG_HUMAN	(370)	VELSDQPENTFLHPIIQIDRSEFMLLLERSIRSILELGKVVNPTEA		

Figure 3

LSI-01	MQGQRRRGRT	CKDIFCSKMA	SYLYGVLFVAV	GLCAPIYCVS	PANAPSAYPR
pdb1qlpMDPQ	GDAAQKTDTS
LSI-01	PSSTKSTPAS	QVYSLNTDFA	FRLYRRLVLE	TPSQNIFFSP	VSVSTSLAML
pdb1qlp	HHDQDHPTFN	KITPNLAEFA	FSLYROLAHQ	SNSTNIFFSP	VSIATAFAMI
LSI-01	SLGAHSVTKT	QILQGLGFNL	THTPESAIHQ	GFOHLVHSLT	VPSKDLTKRM
pdb1qlp	SLGTKADTHD	ELLEGLNENL	TEIPEAQIHE	GFQELLRTLN	QEDSQQLTT
LSI-01	GSALFVKKET	QLQANFLGNV	KRLYEAEVFS	TDFSNPSIAQ	ARINSHVKKK
pdb1qlp	GNGLEFLSEGL	KLVDKFLLEDV	KKLYHSEAFI	VNFGDTEEAK	KQINDYVEKG
LSI-01	TQGVVDIIQ	GLDLLTAMVL	VNHIFFKAKW	EKPFHLEYTR	KNFPFLVGEQ
pdb1qlp	TQKIVDLVK	ELDRDITVFAL	VNYIFFKGKW	ERPFEVKDT.	EEEDHVDQV
LSI-01	VTVQVPMHQ	KEQFAFGVDT	ELNCFVLQMD	YKGDVAFFV	LPSKGMROL
pdb1qlp	TTVKVPMKR	LGMFNIQHCK	KLSSWVLIMK	YLGNAIAIFF	LEDEGLQHL
LSI-01	EQALSARTLI	KWSHSLQKRW	IEVFIPRFST	SASYNLETIL	PKMGIONAFD
pdb1qlp	ENELTHDIIT	KFLENEDRRS	ASLHLPLSLI	TGTYDLKSVL	GQLGITKVES
LSI-01	KNADFSGIAK	RDSLQVSKAT	HKAVIDVSEE	GTEATAATTT	KFTVRSKDG
pdb1qlp	NGADLSGVTE	EAPLKLKSAV	HKAVIDIDEK	GTEAAGAMFL	EALPMSI..P
LSI-01	S.YFTVSPNR	TFLMMITNKA	TDGILFLGKV	ENPTKS	
pdb1qlp	PE...VKFNK	PFVFLMIEQN	TKSPLFMGRV	VNPTQK	

Figure 4.

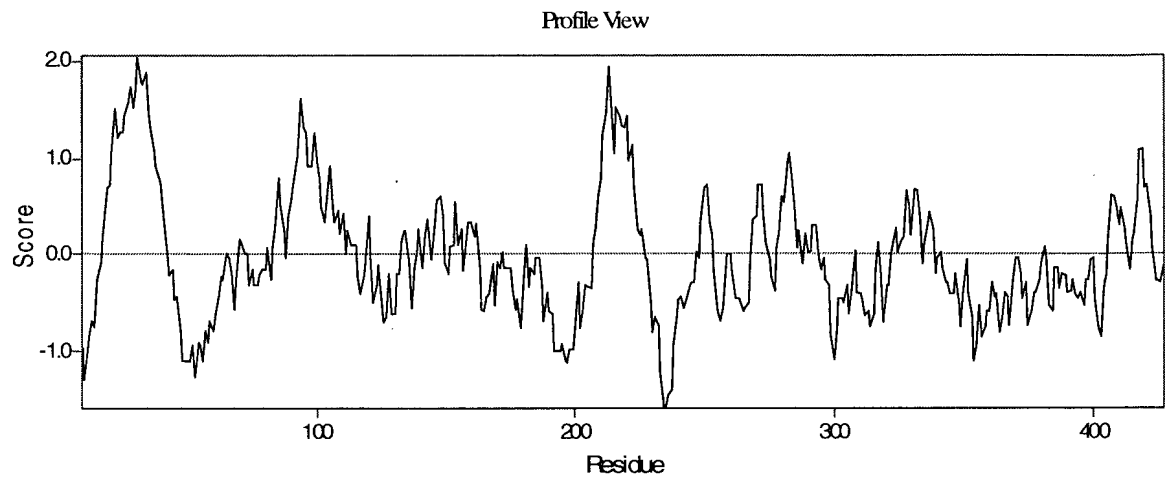
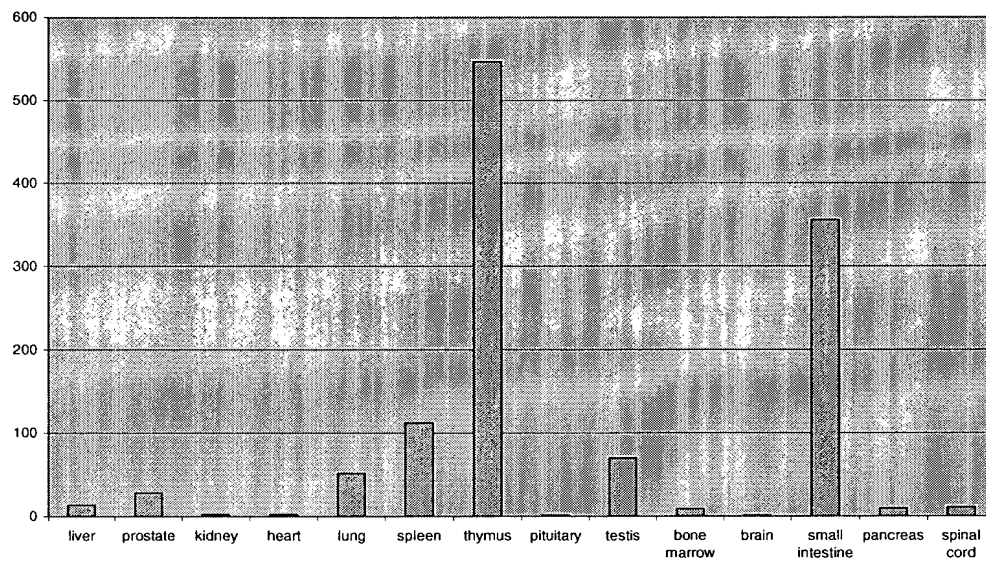
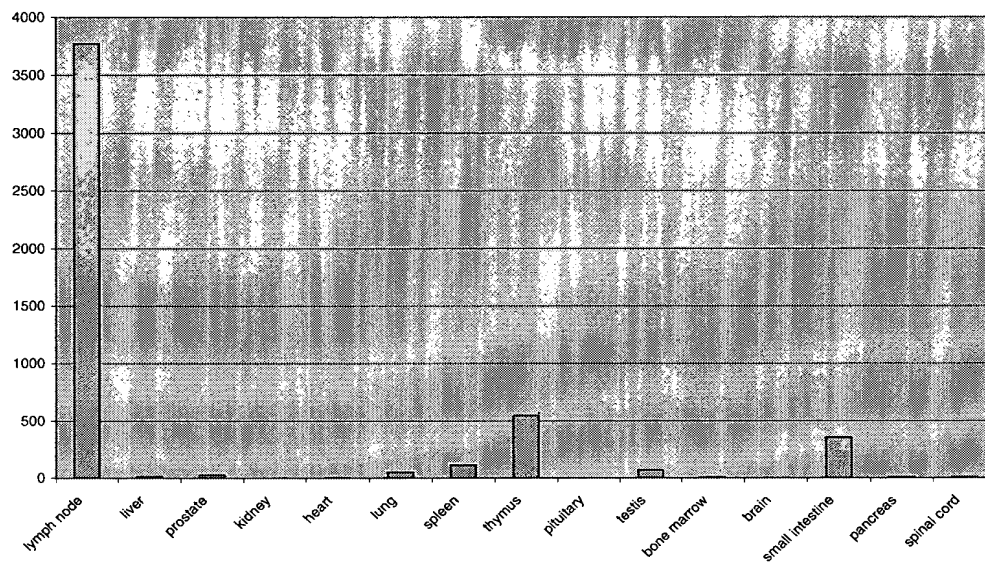


Figure 5.



[illegible]

<u>Protein</u>	<u>Genbank ID</u>	<u>Identities</u>	<u>Similarities</u>
human α_1 -antichymotrypsin	gil112874	46%	52%
human Kallistatin	gil5453888	48%	56%
human thyroxin-binding globulin	gil37142	51%	57%
human α_1 -antithrypsin	gil6137432	43%	50%

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.5	10.5	25	45
Gender	0.5	0.5	0	1
Marital Status	0.5	0.5	0	1
Education	12.5	1.5	10	14
Income	3000	1000	1000	5000
Health	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Alcohol	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Sleep	0.5	0.5	0	1
Diet	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Hobbies	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Reading	0.5	0.5	0	1
TV	0.5	0.5	0	1
Music	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Cooking	0.5	0.5	0	1
Cleaning	0.5	0.5	0	1
Driving	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Technology	0.5	0.5	0	1
Art	0.5	0.5	0	1
Sports	0.5	0.5	0	1
Traveling	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Reading	0.5	0.5	0	1
TV	0.5	0.5	0	1
Music	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Cooking	0.5	0.5	0	1
Cleaning	0.5	0.5	0	1
Driving	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Technology	0.5	0.5	0	1
Art	0.5	0.5	0	1
Sports	0.5	0.5	0	1
Traveling	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Reading	0.5	0.5	0	1
TV	0.5	0.5	0	1
Music	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Cooking	0.5	0.5	0	1
Cleaning	0.5	0.5	0	1
Driving	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Technology	0.5	0.5	0	1
Art	0.5	0.5	0	1
Sports	0.5	0.5	0	1
Traveling	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Reading	0.5	0.5	0	1
TV	0.5	0.5	0	1
Music	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Cooking	0.5	0.5	0	1
Cleaning	0.5	0.5	0	1
Driving	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Technology	0.5	0.5	0	1
Art	0.5	0.5	0	1
Sports	0.5	0.5	0	1
Traveling	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Reading	0.5	0.5	0	1
TV	0.5	0.5	0	1
Music	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Cooking	0.5	0.5	0	

